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MOSCOW COMPLETES ANOTHER SECTION OF SUBWAY

Numbers in parentheses refer to appended sources. 7

The second section of the Great Circle of the Moscow subway was put into operation on 30 January 1952. The new section is 6.7 kilometers long, which together with the 6.3 kilometer-long section put into operation on 1 January 1951, extends the run of the Great Circle, now in operation, to 14 kilome-

The new section includes four stations: Komsomol'skaya-kol'tsevaya, Botanicheskiy sad, Novoslobodskaya, and Belorusskaya.(2) The number of stations now operating on the Great Circle is 12, and on the whole Moscow subway is 39.(3) The subway connects the five railroad stations of the capital: Kurskiy, Leningradskiy, Yaroslavskiy, Kazanskiy, and Belorusskiy.(4)

In constructing the new section, the builders of the Moscow subway removed 800,000 cubic meters of earth. They placed more than 100,000 cubic meters of concrete, 150,000 tens of cast-iron tubing, and 14.2 kilometers of rails.(5) They laid more than 400,000 kilometers of cables to supply electricity.(3) More than 14,000 square meters of marble and granite have been installed.(5) More than 200 enterprises all over the Soviet Union filled orders for the construction of the Moscow subway. (3)

The largest station of the new section is Komsomol'skaya-kol'tsevaya. Its central hall is 9 meters high and 150 meters long. The distance between the 68 metal columns which support the vaulted ceiling is 11 meters.(1) The construction of Komsomol'skaya-kol'tsevaya is an improvement over that of Kurskayakol'tsevaya. Which was put into operation in January 1950. In the construction of Kurskaya-kol'tsevaya, one linear meter provided 127 cubic meters of usable space. The builders of Komsomol'skaya-kol'tsevaya raised the amount of usable space for one linear meter to 150 cubic meters. In this way they reduced the expenditure of metal by 23.6 percent.(1) The hall of Komsomol'skaya-kol'tsevaya

-1-

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will permit the passage of 100,000 passengers an Lour.(6) The new station will give access to the radial line already in operation, as well as the Great

In 1951, the Moscow subway received 56 newly improved trains which will operate along the newly completed section.(3) These trains require 20-22 percent less electricity to operate. (8) The use of lighter materials, such as aluminum and plastic, in building them, as well as changes in their actual construction have reduced their weight by 18 percent. (9) The trains which will run along the section can reach a speed of 75 kilometers an hour and will be equipped with electric brakes. (10) During rush hours, 24 pairs of trains run at intervals of 2.5 minutes. They take 10 minutes to travel the new section from Kunghiy worked to Relowingham. tion from Kurskiy vokzel to Belorusskaya. A train traveling the whole line of the Great Circle now in operation, from Tsentral'niy park kultury i otdykha imeni Gor'kogo to Belorusskaya, takes 21 minutes.(3)

The completion of the construction of Krasnopresnenskaya and Kievskayakol'tsevaya stations, which is planned for 1952, will complete the Great Circle, and 30 minutes will be required to travel its whole length.(1)

The head of the Moscow "Metrostroy," which is building the subway, is N. A. Gubankov.(11)

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- 2 -

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